



STL Digital

Java Full Stack Training Document

Version 1.0





© Sterlite Technologies Limited.

www.sterlitetech.com

CONFIDENTIALITY CLAUSE

No part of this document can be reproduced or copied, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, recording, photocopying or otherwise without the prior written permission of Sterlite Technologies Ltd.

ALL RIGHTS RESERVED

Sterlite Technologies Ltd.
Block 6, Magnet Corporate Park,
Nr. Sola Flyover, Thaltej
Ahmedabad-380059
India

TRADEMARKS

All the brand names and other products or services mentioned in this document are identified by the trademarks or service marks of their respective owners.

DISCLAIMER

The information in this document is subject to change without notice and should not be construed as final commitment of Sterlite Technologies Ltd.

Sterlite Technologies Ltd. assumes no responsibility or makes no warranties for any errors that may appear in this document and disclaims any implied warranty of whatsoever nature.

Sterlite Technologies Ltd. shall not be responsible for any liability of any nature whatsoever resulting from or arising out of use of this document.

Sterlite Technologies Ltd henceforth in the document will be used as STL.



Instructions:

- **Training and Technology related Queries :** learning.campushires2022@stl.tech
- **HR related Queries:** campushires2022@stl.tech
- Create Free Trial Account in O'Reilly with Personal Gmail ID. The validity of O'Reilly Free Trial Account is 7 Days only, hence associates have to create new personal Gmail ID each time for Training once earlier ID expired.
- Associates should maintain the Training Progress in their Assets along with Screenshot of completion.
- Below are the Softwares which must be installed on your Asset for hands on learning.

SI No	Softwares	Link for Installation
1	Eclipse IDE	https://www.eclipse.org/downloads/
2	VS Code	https://code.visualstudio.com/
3	jdk 19.0	https://www.oracle.com/in/java/technologies/downloads/
4	Maven	https://maven.apache.org/download.cgi
5	Git	https://git-scm.com/download/win
6	Dbeaver	https://dbeaver.io/download/
7	Kubectl 1.21+	https://kubernetes.io/docs/tasks/tools/install-kubectl-windows/
8	Helm cli	https://helm.sh/docs/intro/install/
9	Node js	https://nodejs.org/en/download/
10	Terraform	https://www.terraform.io/downloads
11	Mysql Database	https://dev.mysql.com/downloads/installer/
12	Postman	https://www.postman.com/downloads/
13	Jenkins	https://www.jenkins.io/doc/book/installing/windows/

Foundation Training Courses Details :

Module	Course Name	Course link	Course Duration	Week Plan
Core Java	Java fundamentals	https://www.oreilly.com/videos/java-fundamentals/10000DIHV2021145/	14h 30m	Week 1
	Learn How to Code: The Complete Core Java Programming Course	https://learning.oreilly.com/videos/learn-how-to/9781800568471/	10h 18m	Week 2
	Modern Java EE Fundamentals	https://learning.oreilly.com/videos/modern-java-ee/9781491941621/	2h 52m	Week 3

	Eclipse Tutorial For Beginners : Learn Java IDE in 10 Steps	https://www.udemy.com/course/eclipse-java-tutorial-for-beginners/	1h 30m	Week 3
	Java Tutorial for Complete Beginners	https://www.udemy.com/course/java-tutorial/	16h	Week 3
	Java Database Connection: JDBC and MySQL	https://www.udemy.com/course/how-to-connect-java-jdbc-to-mysql/	1h 30m	Week 3
	Java Programming - Master Java Basics	https://www.udemy.com/course/java-programming-master-java-basics-learnit/	2h	Week 3
	Java Multithreading	https://www.udemy.com/course/java-multithreading/	3h	Week 3
Advanced Java	Advanced Java Programming	https://learning.oreilly.com/videos/advanced-java-programming/9781771370387/	7h 53m	Week 2
	Spring Boot- Getting Started	https://learning.oreilly.com/videos/spring-boot-getting/9781788298636/	6h 26m	Week 2
	Spring Boot Restful Web Services Tutorial - Free Course	https://www.udemy.com/course/spring-boot-restful-web-services-tutorial-free-course/	2h	Week 2
	RESTful Web Services with Spring Framework - A quick start	https://www.udemy.com/course/restful-web-services-with-spring-framework-a-quick-start/	3h	Week 2
	The Spring Security Architecture for Authentication and Authorization	https://www.youtube.com/watch?v=KYNR5js2cXE	1h 18m	Week 2
git	Learn Git in 3 Hours (oreilly.com)	https://learning.oreilly.com/videos/learn-git-in/9781789348231/	1h 57m	Week 3
	Complete Git Guide: Understand and Master Git and GitHub	https://learning.oreilly.com/videos/complete-git-guide/9781800209855/	21h 51m	Week 3
	Git Labs	https://learning.oreilly.com/scenarios/commit-files-with/9781492061854/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/commit-changes-with/9781492061878/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/work-remotely-with/9781492061885/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/undo-changes-with/9781492061892/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/fix-merge-conflicts/9781492061908/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/experiment-using-branches/9781492061915/		Week 3
	Git Labs	https://learning.oreilly.com/scenarios/find-bugs-with/9781492061922/		Week 3

	Git Labs	https://learning.oreilly.com/scenarios/re-write-history-with/9781492061861/		Week 3
Mysql Database	Getting started with mysql database	https://www.youtube.com/watch?v=7S_tz1z_5bA	3 h	Week 3
	Complete MySQL Beginner to Expert	https://www.youtube.com/watch?v=en6YPAgc6WM	20h	Week 3
Postman App	Postman Tutorial: Getting Started with API Testing (oreilly.com)	https://learning.oreilly.com/videos/postman-tutorial-getting/9781803243351/	3h 29m	Week 3
	API Testing with Postman	https://learning.oreilly.com/videos/api-testing-with/9781789616569/	2h 5m	Week 3
	REST API Automation Testing from Scratch - REST Assured Java	https://learning.oreilly.com/videos/rest-api-automation/9781789133813/	23h 48m	Week 3
Microservices	Microservices Key Concepts - An Ongoing Series	https://www.youtube.com/watch?v=tuJqH3AV0e8	1h 9m	Week 3
	Building resilient microservices	https://learning.oreilly.com/videos/building-resilient-microservices/0636920362012/	45m	Week 3
Website Development	An Introduction to Web Development in HTML, CSS, and JavaScript	https://learning.oreilly.com/videos/an-introduction-to/9781491923320/	59m	Week 3
UI	Introduction to Website Development Technologies	https://learning.oreilly.com/videos/introduction-to-website/9781803235189/	5h 42m	Week 3
Front end - Angular	Angular - The Complete Guide [2021 Edition]	https://learning.oreilly.com/videos/angular-the/9781788998437/	31h 27m	Week 3
	Angular: Zero to Full-Stack (Video Collection)	https://learning.oreilly.com/videos/angular-zero-to/9780137891023/	27h 4m	Week 3
OR				
Front end - React	React: Zero to Full-Stack (Video Collection)	https://learning.oreilly.com/videos/react-zero-to/9780137611676/	27h 58m	Week 3
	React - The Complete Guide (includes Hooks, React Router, and Redux) - Second Edition	https://learning.oreilly.com/videos/react-the/9781801812603/	48h 2m	Week 3
	React Front to Back 2022	https://learning.oreilly.com/videos/react-front-to/9781838645274/	20h 2m	Week 3